

13281 U.S.PTO
040104

**NONPROVISIONAL PATENT
APPLICATION TRANSMITTAL RULE §1.53(b)
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

17510 U.S.PTO
10/814788
040104**Customer Number 32294**

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Docket No.: 58501.00047

Date: April 1, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
MAILSTOP PATENT APPLICATION

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

For (Title): BACTERIAL EFFECTS ON METAL ACCUMULATION BY PLANTS

By (Inventors): Jay Scott ANGLE (Ellicott City, Maryland, USA); Rufus L. CHANEY (Beltsville, Maryland, USA); Reda Abdelaziz ABOU-SHANAB (Hyattsville, Maryland, USA); Peter VAN BERKUM (Columbia, Maryland, USA)

- 25 pages of Specification/Claims 1-72/Abstract are attached.
- Formal drawings (Figs. 1- _____ ; _____ sheets) are attached.
- A Declaration and Power of Attorney is attached.
- An assignment of the invention to _____ is attached, along with Form PTO-1595 and a check for \$40.00.
- This application is entitled to Small Entity Status.
- Priority of foreign application No. _____ filed _____ in _____ is claimed under 35 U.S.C. §119.
- Priority of U.S. Provisional Application(s) No. _____ filed _____ is claimed under 35 U.S.C. §119(e).
- A certified copy of the above corresponding foreign application is attached.

The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

| | | | SMALL ENTITY | | LARGE ENTITY | |
|--|--------------|-----------|--------------|--------|--------------|---------|
| FOR: | NO. FILED | NO. EXTRA | RATE | FEE | OR RATE | OR FEE |
| BASIC FEE | | | | \$ 385 | | |
| TOTAL CLAIMS | 72 - 20 | = 52 | x 9 = | | x 18 | \$ 770 |
| INDEP CLAIMS | 3 - 3 | = 0 | x 43 = | | x 86 | \$936 |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS | | | +145 = | | +290 | |
| | | | TOTAL | | OR TOTAL | \$1,706 |

A check for the filing fee is not enclosed at this time.

Respectfully submitted,

Douglas H. Goldhush
Registration No. 33,125

DHG/scc